

REMARKS

Applicant submits this Amendment in response to the above noted Non-Final Office Action. A listing of the Claims as presently exist is shown herein.

With respect to the rejection of Claims 21 and 22 under 35 USC 112, second paragraph, Applicant has provided antecedent basis for the central display screen in Claim 21 and for the first and second driver electronics in Claim 22.

Claim 23 has been amended to correct the spelling of the word "one."

With respect to the rejection of the Claims, Applicant requests that the Examiner withdraw the newly issued reference of United States Patent No. 6,640,113 of Shim dated October 28, 2003

Applicant notes that the Shim '113 patent was filed September 8, 2000, but that Applicant's original provisional application was filed March 29, 2000 as serial number 60/193,040. Priority under 35 USC 119(e) was claimed in Applicant's Declaration.

The provisional application was followed up with the above identified application on March 29, 2001.

Drawing Figures 16 and 17 of the provisional application are identical to drawing Figures 3 and 4 of the present application. Although the subject matter of drawing Figures 5, 6 and 7 was not introduced until the present application was filed, Independent Claim 7 herein describes

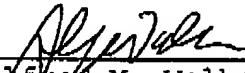
the embodiment shown in both of these drawing Figures of the provisional application and the examinable application, as well the descriptions thereof.

Withdrawal of the Shim '113 reference would leave only the references previously cited and which were previously distinguished by the pending Claims.

Applicant submits that the application is in condition for allowance, which allowance is earnestly solicited.

Respectfully submitted,

Dated: April /3, 2004



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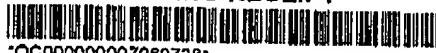
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WASHINGTON, D.C. 20231
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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/823,300	03/29/2001	2673	460	MULTI-TASK- CELL PHONE	5	9	4

CONFIRMATION NO. 6848

UPDATED FILING RECEIPT



OC000000007080728

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Date Mailed: 11/13/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Eric Koenig, Huntington, NY;

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/193,040 03/29/2000

Foreign Applications

If Required, Foreign Filing License Granted 05/17/2001

Projected Publication Date: 02/21/2002

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Multi-task interactive wireless telecommunications device

Preliminary Class

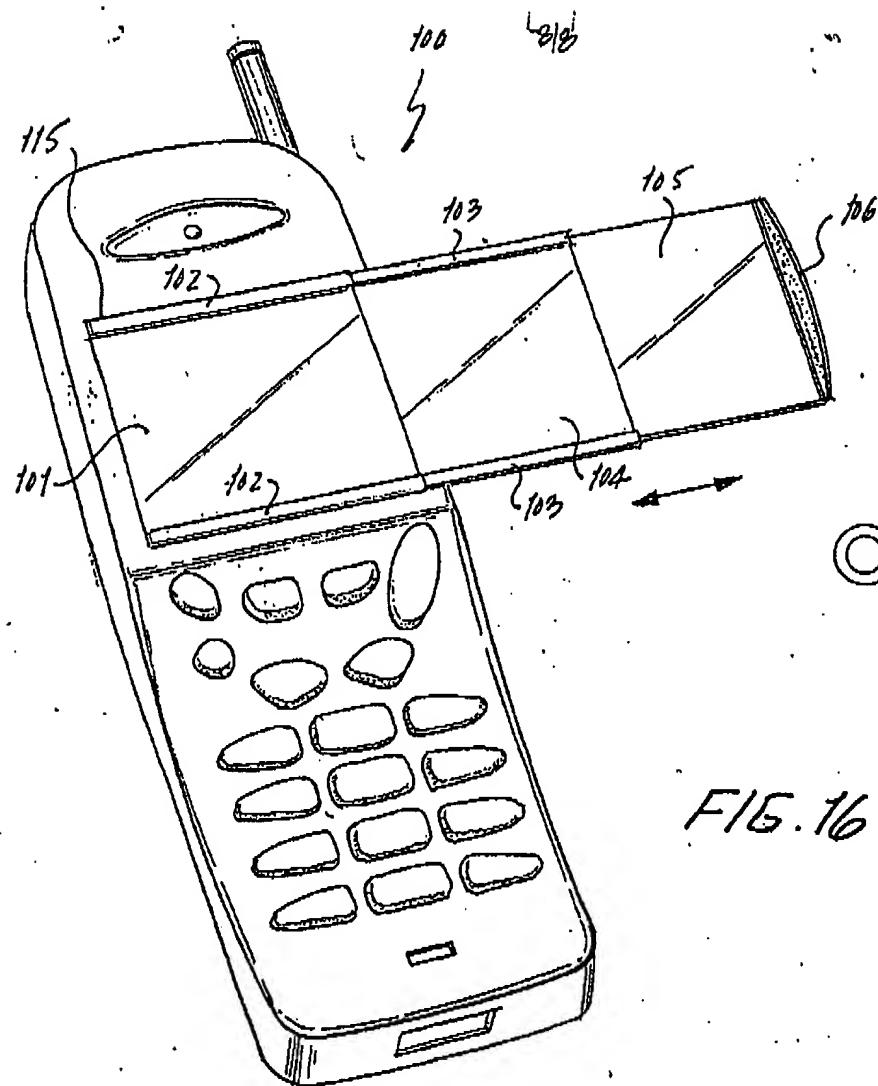


FIG. 16

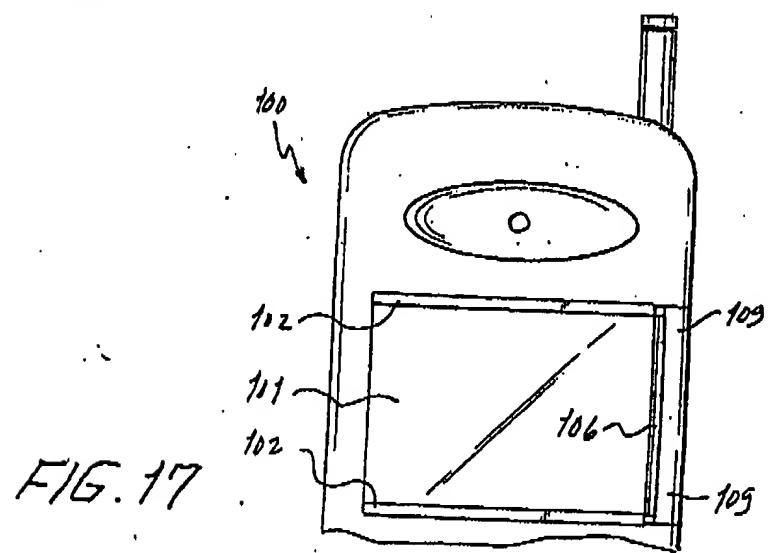


FIG. 17

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Figures 16 and 17 show two views of cell phone 100 equipped with three LCD panels which store on top of one another (see Figure 17) and can be deployed in an ergonomic manner with one hand as in Figure 16. Panel 101 is in a 5 fixed position relative to the housing and it is wired permanently at edge 115. Track 102 on the top and bottom guides second panel 104 to pull out and then rise into a co-planar position with screen 101.

Similarly, track 103 on screen 104 guides screen 105 to 10 pull out further and rise into a co-planar position with screen 104. The set-up is a one-handed operation from the configuration of figure 117 by grasping handle 106 and pulling out in one sweeping motion. Then a slight straight push back operates connectors at 116 and 117 so that the 15 three panels have almost negligible separation between panels.

To store the two extra panels, simply re-extend to 20 separate the connectors and tilt slightly up as the panels are manually pushed back. The tracks guide the panels back into storage position. Note that the single screen can be used for short messages.

With the three screens deployed, the full width of an 25 SVGA display can be read albeit at reduced height. Simple scrolling can then be used to view normal screen contents in a near normal format. Configurations with from two to five panels are practical. Instead of being co-planar, the screens may be observable obliquely when hingably moved out in a configuration similar to the previous embodiments for a computer multi-task screen display assembly.

30 It is further noted that other embodiments and changes may be made to the present invention without departing from the scope of the invention, as noted in the appended Claims.



(12) **United States Patent**
Shim et al.

(10) Patent No.: **US 6,640,113 B1**
(45) Date of Patent: **Oct. 28, 2003**

(54) **TOUCH SENSITIVE DISPLAY INTEGRATED WITH A HANDHELD RADIOTELPHONE**

(75) **Inventors:** Jae H. Shim, San Jose, CA (US); Ilwhan Park, Pleasanton, CA (US)

(73) **Assignee:** Mobigence, Inc., San Jose, CA (US)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 350 days.

(21) **Appl. No.:** 09/657,951

(22) **Filed:** Sep. 8, 2000

(51) **Int. CL:** H04B 1/38

(52) **U.S. Cl.** 455/566; 455/556

(58) **Field of Search:** 455/556, 566, 455/575; 345/903, 905, 1.1, 2.3, 173, 156

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Primary Examiner—Nay Maung

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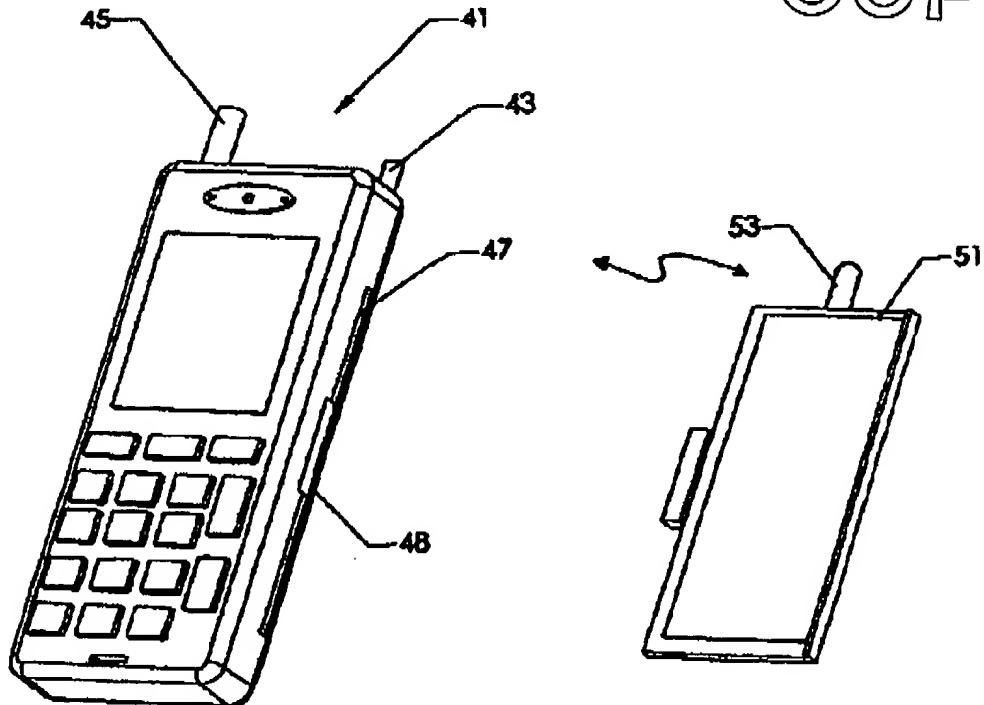
(74) **Attorney, Agent, or Firm:** John F. Schipper

(57) **ABSTRACT**

An integrated system including radiotelephone and a touch sensitive display, electronically communicating with the radiotelephone, that can be stored within a slot provided in radiotelephone housing. The display is removed from the slot for use and communicates with the radiotelephone through a cable or through a wireless connection. The display may be arranged with a selected orientation relative to the radiotelephone so that the display and the radiotelephone are supported in the same plane.

18 Claims, 5 Drawing Sheets

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(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2002/0021258 A1
Koenig (43) Pub. Date: Feb. 21, 2002(54) MULTI-TASK INTERACTIVE WIRELESS
TELECOMMUNICATIONS DEVICE

(52) U.S. Cl. 345/1.1

(76) Inventor: Eric Koenig, Huntington, NY (US)

(57) ABSTRACT

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(21) Appl. No.: 09/823,300

A portable wireless telecommunications device has electronic computer visual display includes at least one central display screen and at least two additional screens respectively disposed foldably to the right and left of said central screen, for displaying simultaneous, multiple images to a user. The foldable display has at least two mutually connected foldable sub-display units, and it includes a user attachable and detachable connector, for user-assembling of the sub-display units into mutual connection with each other. Each of the two sub-display units have user-deployable supports (e.g. a rigid angular support member) for maintaining the sub-display units in an upwardly projecting disposition during use.

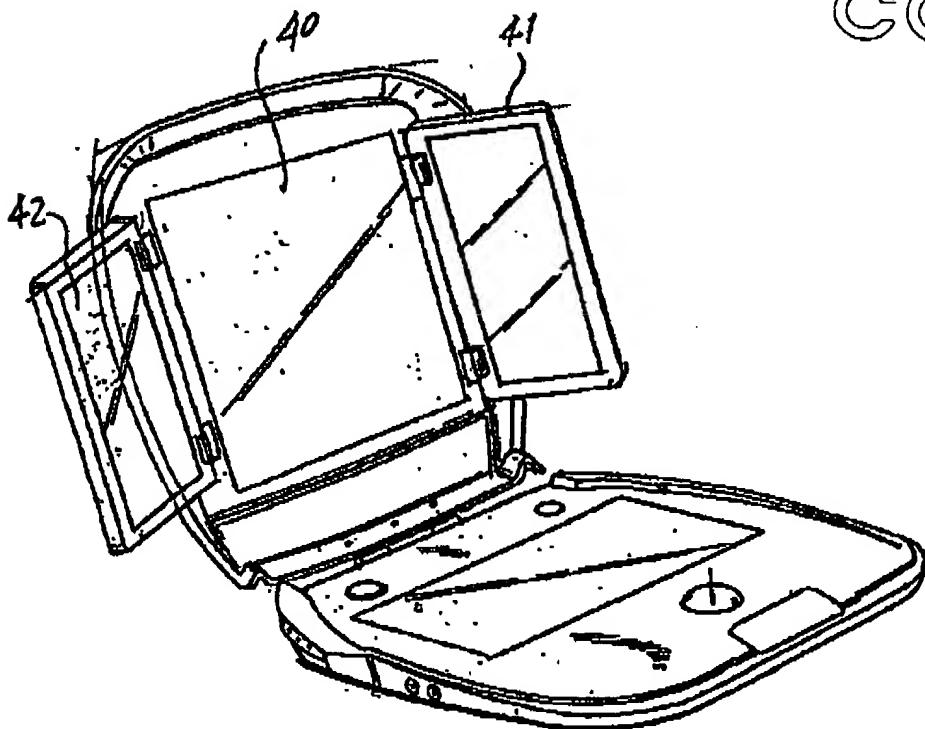
(22) Filed: Mar. 29, 2001

Related U.S. Application Data

(63) Non-provisional of provisional application No. 60/193,040, filed on Mar. 29, 2000.

Publication Classification

(51) Int. Cl. 7 G09G 5/00



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Alfred M. Walker

April 13, 2004